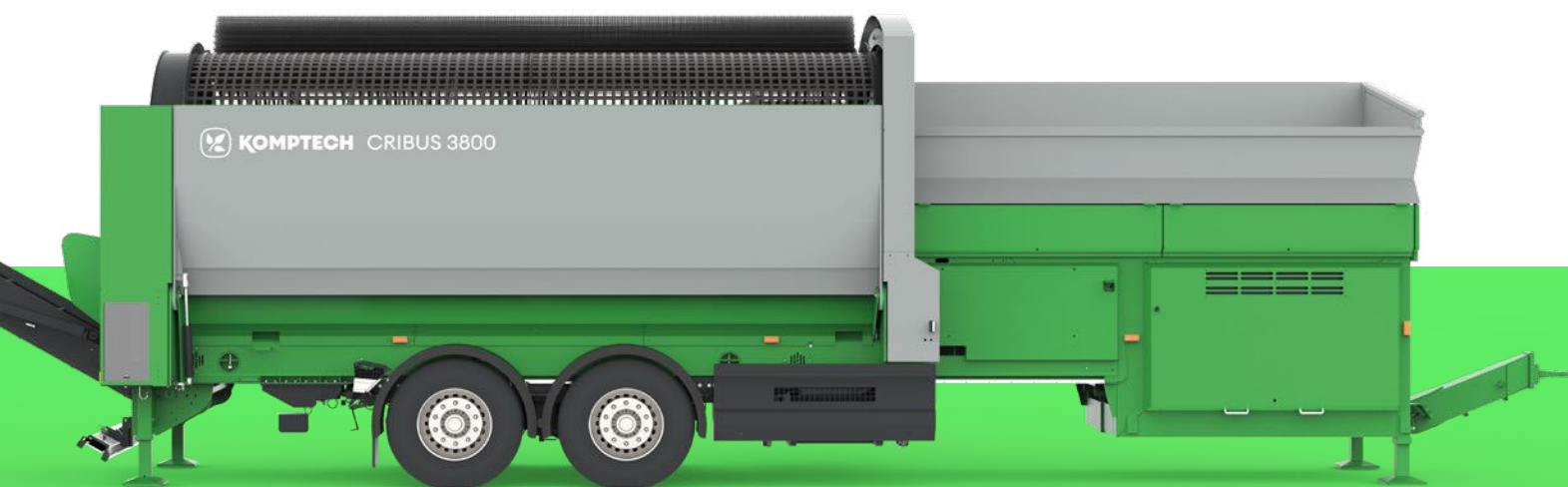


CRIBUS

Drum screen with
electric drive





OVERVIEW

Electric drum screen

The Cribus series mobile drum screens combine top functionality with outstanding economy. Innovative power and drive design are the basis – everything on the Cribus is electrically powered, from the hopper to the discharge conveyors. This, along with the “Wheelgrip” direct drum drive, minimizes energy, wear and maintenance costs.

The entry level model is the Cribus 2800 with its 28 m² screening area, followed by the 3800 and 5000 with 38 and 50 m² screening area respectively.

They all share maintenance-friendly design. Large panels and doors give ready access to all maintenance points, and drum change is quick and toolless. The well-designed controls and numerous options for individual configuration ensure convenient operation in all situations.

- ▶ Energy, wear, and maintenance costs minimized through innovative solutions
- ▶ Electric drive of all components for top energy efficiency
- ▶ Three sizes to meet any performance need
- ▶ Extensive options for individual configuration

Engine power (kW)

55

Hopper volume (m³)

5



8

Screening area (m²)

28



50

Throughput (m³/h)

up to

270

Wide range of applications



01 Compost

Adjustable hopper and drum speeds enable precise adaptation of the machine, and the load-dependent hopper control prevents overfilling of the drum. A screw conveyor on the inside of the drum optimises material transport.

02 Excavated earth, sand, gravel, light C&D waste

Heavy materials aren't a problem; a folding hopper (Cribus 3800 Trailer) pre-screen keeps massive contraries out. The hopper belt control prevents belt tilting, and screen drums with walls up to 10 mm thick give long service.

03 Biomass, bark, chips, waste wood

The input hopper is designed for the drum size. Steep hopper walls prevent bridging, and a conveyor with T-nubs moves the feedstock to the drum dependably. The discharge conveyors permit high cones, and with belt widths up to 1 m there are no traffic jams.

04 Waste (preshredded)

Enough room between the drum and sidewall ensures stoppage-free operation even with large screen holes. Large side doors and panels make access easy for cleaning and maintenance.

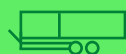


The machine in detail

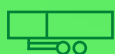
Komptech stands for quality, reliability and value retention. This is assured by the use of high-quality components, certified production processes and gapless quality control.



Mobility



Trailer



Semi-Trailer

Screen holes*



10|15|20|25|30
40|50|60|70|80

Screen drum wall thickness*



6 mm | 8 mm | 10 mm

* Standard screen drum

01



Power

- Ready for mains operation, plus diesel generator option
- Maintenance-free “Wheelgrip” drum drive by high-efficiency support wheels (photo)
- Anti-slip control to prevent support wheel racing

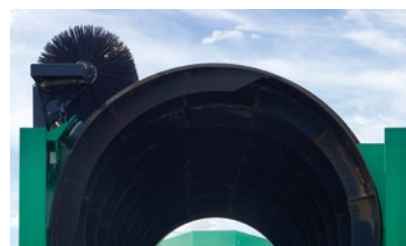
02



Feed hopper

- Steep sidewalls prevent bridging during screening (photo)
- Drum-side hopper belt drive for better power transfer
- Automatic hopper belt control for precise true running

03



Screen drum

- Optimum material conveyance by feed worm for higher throughput
- Generous spacing of drum to sidewalls for a wide range of materials
- Electrically adjustable cleaning brush (photo)

04



Discharge system

- The collector conveyor moves counter to the material flow in the drum (photo)
- The lower conveyor loading reduces wear and energy consumption
- Corrugated side and fines discharge conveyors prevent leakage

05



Ease of use

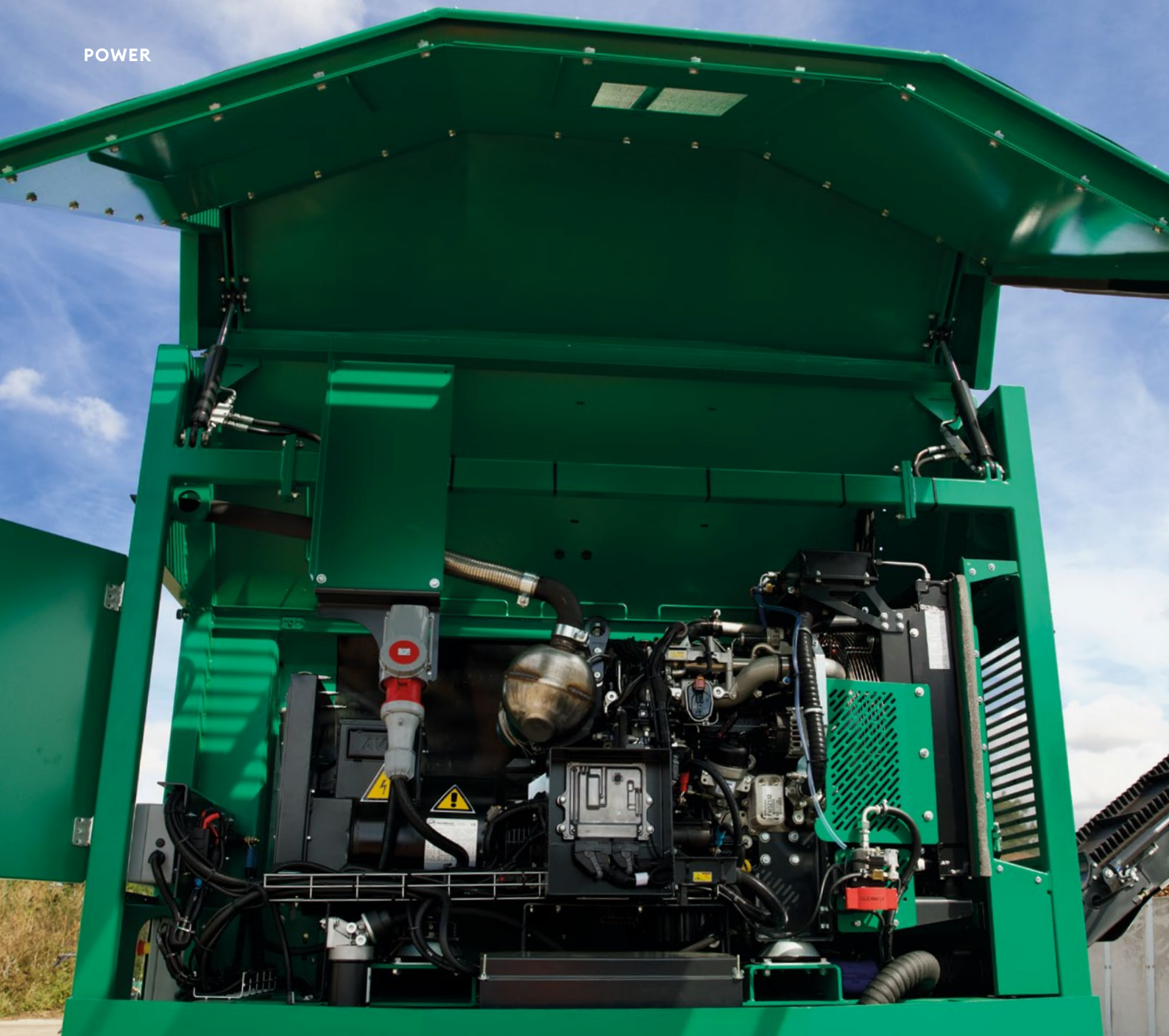
- Operating panel with high resolution 7” colour screen and intuitive menu guidance (photo)
- Onboard diagnostics, with trouble-shooting integrated into the control system for fast problem solving
- Optimum positioning of all controls

06



Maintenance

- Power compartment accessible from all sides; the power unit can also be run out for access
- Drum change is possible in a few minutes without tools (photo)
- Fines collection conveyor removable as complete unit



Electric socket or generator

Saving energy with hybrid technology

In the Cribus series all components are electrically powered for top energy efficiency. A standard CEE plug (63A, 400V, 50Hz) connects it to the grid. A suitably dimensioned diesel generator is offered as an option for autonomous, off-grid operation.

Savings potential over conventional diesel-hydraulic systems:

Grid power:

- up to 75% lower energy consumption
- up to 30% lower wear costs
- up to 25% lower operating costs
- no diesel engine or hydraulics maintenance

Generator power:

- up to 25% lower energy consumption
- up to 15% lower wear costs
- up to 5% lower operating costs
- no hydraulics maintenance

Size and mobility

The right way to move



Cribus 2800

At just 10.6 meters long overall the Cribus 2800 has a screen surface of 28 m². This is made possible by the large 2.2 m drum diameter. Thus, the Cribus 2800 achieves a higher specific throughput (cubic meters per m² screening area) than competitor machines. This drum screener machine is available as a 2-axle central axle trailer and as a semitrailer.

Cribus 3800

With a length of 6 meters the drum of the Cribus 3800 is noticeably longer than that of the Cribus 2800 (4.6 meters). This increases the effective screening area to 38 square meters, giving it high performance in almost every application. The Cribus 2800 and 3800 have the same hopper volume, about 5 cubic meters in the trailer version and about 6.5 cubic meters as semitrailer.



Cribus 5000

The Cribus 5000 is in a class of its own. 50 square meters of screening area along a 7.7 meter long drum, with a hopper holding over 8 cubic meters, make it obvious who we developed this high-performance machine for – users who want high throughput with great screening results, especially with small hole sizes. Despite its impressive size, the Cribus is easy to manoeuvre as a semitrailer.





In daily use

High ease of use

The electrical control with visualization adds extra functionality. An automatic start/stop function further boosts ease of use. Practical options like hopper sensor control, central lubrication and wireless remote control with display also make the workday easier.

Safe discharge

The fine fraction is discharged by an angled conveyor and a profiled discharge conveyor, or by a one-piece corrugated edge belt. For oversize discharge there is a choice of T-cleats and V-profile belts. Adjustable conveyor speed and magnetic drums are further discharge system options.

Large diameter, generous spacing

The large 2.2 m drum diameter boosts screening performance and the comfortable 140 mm spacing to the sidewalls enables stoppage-free screening even with large screen holes. In order to remain within permissible transport dimensions, the fines discharge conveyor has a mechanism for folding it in next to the hopper for transport.

Maintenance made easy

The sidewalls can be hydraulically lowered and the drum lifted out quickly and safely for easy removal of encrusted material. Numerous details make maintenance easier, like the extendable engine unit, uncomplicated hopper conveyor change, and the fines collection band that can be removed as a single cartridge.

Functions (Selection)



Automatic mode



Side wall foldable



Hopper belt true running control



Electric cleaning brush



Condition Monitoring

Options (Selection)



Remote control



Variable belt speed



Hopper sensor



Hopper pre-screen



Wind sifter



Magnetic drum



Engine unit extendable



The Komptech plus



Top advice

We'll show you how to optimize your processes, based on our experience and extensive data analyses.



Service near you

Expert technicians are on-site quickly to make sure your machines keep running.



Spare parts always available

Intelligent stocking for the fast, economical provision of high-quality spare parts.



All-in solutions

From individual mobile machines to complex stationary systems, with us you get the right process solution.



Productivity in view

Apps and integrated monitoring let you keep an eye on operating data and economy.



Need-based service

Our maintenance and service agreements, as well as extended warranties, are aligned with your needs.

Overview of our technology



Look here for the newest updates,
specifications and more detailed descriptions:

Model	2800	3800	5000
Power			
Electrical connection	CEE 63A/400V/50 Hz	CEE 63A/400V/50Hz	CEE 125A/400V/50Hz
Engine (optional)	Diesel generator	Diesel generator	Diesel generator
Power (kW)	55	55	55
Material feeding			
Hopper volume (m³)			
Trailer	5	5	-
Semi-Trailer	6.5	6.5	6.5 or 8 (without generator)
Feeding length (mm)			
Trailer	4,000	4,000	-
Semi-Trailer	4,700	4,700	4,700 or 5,400 (without generator)
Feeding height (mm)	2,950	2,950	2,950
Screening drum			
Screening area (m²)	28	38	50
Length (mm)	4,600	6,000	7,700
Screening drum diameter (mm)	2,200	2,200	2,200
Max. drum rpm	20	20	20
Material discharge (Trailer)			
Max. discharge ht. coarse fraction (mm)	3,500	3,500	3,500
Max. discharge ht. fine fraction (mm)	3,350	3,350	3,350
Dimensions transport/working position			
Transport – L x W x H (mm)			
Trailer	10,600 x 2,550 x 4,000	12,000 x 2,550 x 4,000	-
Semi-Trailer	9,850 x 2,550 x 4,000	11,600 x 2,550 x 4,000	14,040 x 2,550 x 4,000
Working – L x W x H (mm)			
Trailer	14,900 x 6,560 x 4,000	16,300 x 6,560 x 4,000	-
Semi-Trailer	14,175 x 6,560 x 4,000	16,300 x 6,560 x 4,000	18,350 x 6,560 x 4,000
Weight (depending on features)			
Trailer (t)	17	19	-
Semi-Trailer (t)	23	23	23
Throughput (depending on material)			
Throughput (m³/h)	175	225	275

Cribus 2800



Cribus 3800



Cribus 5000



Never waste an opportunity.

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We create value for you



Waste-stream expertise

Because you need a
setup that's tailored to
your waste stream.



Innovative technology

Because you need to
adapt your output to
your market needs.



Flexible sales models

Because you have the
choice between new, rental
and used machines.



Service excellence

Because you always
need to keep your
system running.